



44

SEQUENCE LISTING

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Rogers, Gregory C.
Scholey, Jonathon M.

<120> PEPTIDE INHIBITORS OF CELLULAR
PROLIFERATION

<130> UC069.001A

<140> 09/782,816
<141> 2001-02-14

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<223> Peptide sequence

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Lys Leu Thr Pro Val Xaa Leu
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<220>
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Gln Ser Tyr Asp Ala Val
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<220>

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Val Gln Glu Leu Thr Thr
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Gln Glu Leu Thr Thr
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<210> 5

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<223> Peptide sequence

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1 5 10 15
Glu Leu Thr Thr
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<220>

<223> Peptide sequence

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Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu
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Leu Thr Thr

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<212> PRT
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<220>
<223> Peptide sequence

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<211> 17
<212> PRT
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<220>
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<210> 9
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<213> Unknown

<220>
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<213> Unknown

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<210> 11

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Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr
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Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr
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<210> 13
<211> 12
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<213> Unknown

<220>
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<210> 14
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<220>
<223> Peptide sequence

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Arg Leu Leu His Glu Val Gln Glu. Leu Thr Thr
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<210> 15
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<213> Unknown

<220>

<223> Peptide sequence

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<223> Peptide sequence

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Leu His Glu Val Gln Glu Leu Thr Thr
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<212> PRT

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His Glu Val Gln Glu Leu Thr Thr
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Glu Val Gln Glu Leu Thr Thr
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Val Gln Glu Leu Thr Thr
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Glu Leu Thr Thr
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<210> 23
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<212> PRT
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<220>

<223> Peptide sequence

<400> 23
Ala Lys Gln Leu Ala Ala

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<223> Peptide sequence

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Ala Lys Gln Leu
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Met Asn Glu Leu Leu Asn
20

<210> 27
<211> 21
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<220>

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Glu Lys Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met
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Asn Glu Leu Leu Asn
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<211> 20
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Lys Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn
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Glu Leu Leu Asn
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Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu
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Leu Leu Asn

<210> 30
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<220>

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<400> 30
Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu
1 5 10 15
Leu Asn

<210> 31
<211> 17
<212> PRT

<213> Unknown

<220>

<223> Peptide sequence

<400> 31

Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu
1 5 10 15
Asn

<210> 32

<211> 16

<212> PRT

<213> Unknown

<220>

<223> Peptide sequence

<400> 32

Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn
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<210> 33

<211> 15

<212> PRT

<213> Unknown

<220>

<223> Peptide sequence

<400> 33

Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn
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<211> 14

<212> PRT

<213> Unknown

<220>

<223> Peptide sequence

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Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn
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<210> 35

<211> 13

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<213> Unknown

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Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn
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<223> Peptide sequence

<400> 36

Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn
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<210> 37

<211> 11

<212> PRT

<213> Unknown

<220>

<223> Peptide sequence

<400> 37

Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn
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<210> 38

<211> 10

<212> PRT

<213> Unknown

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<400> 38

Leu Gln Ile Glu Met Asn Glu Leu Leu Asn
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<400> 40

Ile Glu Met Asn Glu Leu Leu Asn
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<211> 7

<212> PRT

<213> Unknown

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<210> 42

<211> 6

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<220>

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<400> 42

Met Asn Glu Leu Leu Asn
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<210> 43

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<400> 44

Glu Leu Leu Asn
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Val Ala Thr Val Ile Ser Thr Ala
1 5

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<400> 47

Val Ala Thr Val Ile Ser Thr
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Val Ala Thr Val Ile Ser
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<223> Peptide sequence

<400> 49

Val Ala Thr Val Ile
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<223> Peptide sequence

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Val Ala Thr Val
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<223> Xaa = Val or Leu

<223> Peptide sequence

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Gly Val Lys Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu
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Val Gln Glu Leu Thr Thr Glu Val Glu Lys Ile Lys Thr Thr Val Lys
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Glu Ser Ala Thr Glu Glu Lys Leu Thr Pro Val Xaa Leu Ala Lys Gln
35 40 45
Leu Ala Ala Leu
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<210> 52

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<213> Unknown

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<223> Peptide sequence

<400> 52

Gly Glu Lys Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu
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Met Asn Glu Leu Leu Asn Glu Val Ala Ala Leu Gln Val Asp Arg Lys
20 25 30
Val Ala Asp Glu Glu Lys Gln Ser Tyr Asp Ala Val Val Ala Thr Val
35 40 45
Ile Ser Thr Ala Arg
50

<210> 53

<211> 406

<212> PRT

<213> Homo sapiens

<400> 53

Met Ala Asp Pro Lys Tyr Ala Asp Leu Pro Gly Ile Ala Arg Asn Glu
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20 25 30
Phe Asp Ala Phe Ala Gln Glu Leu Glu Glu Leu Thr Ser Thr Ser Val
35 40 45
Glu His Ile Ile Val Asn Pro Asn Ala Ala Tyr Asp Lys Phe Lys Asp
50 55 60
Lys Arg Val Gly Thr Lys Gly Leu Asp Phe Ser Asp Arg Ile Gly Lys
65 70 75 80
Thr Lys Arg Thr Gly Tyr Glu Ser Gly Glu Tyr Glu Met Leu Gly Glu
85 90 95
Gly Leu Gly Val Lys Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu
100 105 110

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Val	Lys	Glu	Ser	Ala	Thr	Glu	Glu	Lys	Leu	Thr	Pro	Val	Leu	Leu	Ala
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Ala	Leu	Ala	Lys	Arg	Leu	Leu	Gln	Leu	Glu	Ala	Thr	Lys	Asn	Ser	
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Lys	Gly	Gly	Ser	Gly	Gly	Lys	Thr	Thr	Gly	Thr	Pro	Pro	Asp	Ser	Ser
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Gln	Ala	Ala	Lys	Val	Ala	Glu	Leu	Glu	Lys	Arg	Leu	Thr	Glu	Leu	Glu
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Val	Ser	Ala	Leu	Asp	Leu	Ala	Val	Leu	Asp	Gln	Val	Glu	Ala	Arg	Leu
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Gln	Ser	Val	Leu	Gly	Lys	Val	Asn	Glu	Ile	Ala	Lys	His	Lys	Ala	Ser
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Arg	Leu	Val	Thr	Ile	Lys	Gln	Leu	His	Glu	Gln	Ala	Met	Gln	Phe	Gly
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Gln	Leu	Leu	Thr	His	Leu	Asp	Thr	Thr	Gln	Gln	Met	Ile	Ala	Asn	Ser
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Leu	Lys	Asp	Asn	Thr	Thr	Leu	Leu	Thr	Gln	Val	Gln	Thr	Thr	Met	Arg
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Glu	Asn	Leu	Ala	Thr	Val	Glu	Gly	Asn	Phe	Ala	Ser	Ile	Asp	Glu	Arg
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<400> 54															
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Phe	Asp	Ala	Glu	Glu	Leu	Ser	Ser	Thr	Ser	Val	Glu	His	Ile	Ile	Val
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Asn	Pro	Asn	Ala	Ala	Tyr	Asp	Lys	Phe	Lys	Asp	Lys	Arg	Val	Gly	Thr
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Tyr	Glu	Ser	Gly	Asp	Tyr	Glu	Met	Leu	Gly	Glu	Gly	Leu	Gly	Val	Lys

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Leu Thr Thr Glu Val Glu Lys Ile Lys Thr Thr Val Lys Glu Ser Ala		
115	120	125
Thr Glu Glu Lys Leu Thr Pro Val Val Leu Ala Lys Gln Leu Ala Ala		
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Leu Lys Gln Gln Leu Val Ala Ser His Leu Glu Lys Leu Leu Gly Pro		
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Leu Leu Leu Gln Leu Glu Ala		
180		

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 aacaatttcg ccaagatcat cgcagagatt gaggcagaagc agggaaaccat caccactagc 1020
 ttggtaaca acaaggagct gctgcattcc gtacaggaga ctttcgcccc gaatctggag 1080
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 <213> Drosophila melanogaster

<400> 56
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 Tyr Tyr Glu Glu Glu Pro Glu Asn Glu Ala Ile Glu Arg Leu His Ile
 35 40 45
 Ser Pro Ser Val Ala His Lys Arg Phe Ser Gly Ala Thr Val Glu Gly
 50 55 60
 Ser Val Asp Phe Thr Asp Arg Ile Gly Arg Arg Met Cys Arg Gly Tyr

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Asp Thr Arg Gly Ser Ser Asp Tyr Glu Leu Val Gly Gln Gly Glu Lys			
85	90	95	
Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu			
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Leu Leu Asn Glu Val Ala Ala Leu Gln Val Asp Arg Lys Val Ala Asp			
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Glu Glu Lys Gln Ser Tyr Asp Ala Val Ala Thr Val Ile Ser Thr Ala			
130	135	140	
Arg Lys Val Leu Glu Ser Leu Lys Leu Glu Gln Val Leu Gly Lys Glu			
145	150	155	160
Gln Thr Pro Gly Ser Lys Gln Val Lys Ala Leu Ile Ser Gln Val Glu			
165	170	175	
Glu Phe Lys Gln Ser Gly Val Leu Thr Ala Ile Pro Thr Pro Gly Thr			
180	185	190	
Asp Leu Ala Ala Thr Ala Arg Val Ala Ser Leu Glu Gln Arg Ile Ser			
195	200	205	
Gln Leu Glu Lys Val Leu Gly Ala Gln Pro Asp Lys Leu Ser Arg Leu			
210	215	220	
Thr Ala Ala Thr Asn Thr Thr Asn Val Leu Glu Ala Val Arg His Leu			
225	230	235	240
Ser Thr Lys Ala Ala Leu Ile Gln Pro Asp Lys Leu Asp Thr Ile Glu			
245	250	255	
Gln Arg Leu Thr Ser Leu Ala Gly Lys Met Asp Ala Ile Ala Glu Lys			
260	265	270	
Ser Ser Gly Ser Ala Gln Asp Ala Lys Arg Asp Gln Lys Ile Thr Glu			
275	280	285	
Leu Tyr Asp Ile Ala Lys Arg Thr Glu Pro Val Val Glu Ile Leu Pro			
290	295	300	
His Val Ile Glu Arg Met Gln Ala Leu Glu Ala Leu His Lys Tyr Ala			
305	310	315	320
Asn Asn Phe Ala Lys Ile Ile Ala Glu Ile Glu Gln Lys Gln Gly Thr			
325	330	335	
Ile Thr Thr Ser Leu Val Asn Asn Lys Glu Leu Leu His Ser Val Gln			
340	345	350	
Glu Thr Phe Ala Gln Asn Leu Glu Thr Ile Asn Ser Lys Val Ala Lys			
355	360	365	
Val Glu Gln Arg Val Ala Ala Ile Ser Ser Ala Lys			
370	375	380	

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